Not All Software is Created Equal
Remember Amdahl's Law

AMD

100% Parallel

Today Only a Small Number of Jobs Benefit from More than 8 Cores

HPC

Analogy **"Colonizing"**

Analogy **"Plowing"**

Majority of Enterprise Computing Jobs Benefit the Most from 2-8 Cores

Storage Server Workstation

Analogy **"Pitching"**

Many Enterprise Computing Jobs Continue to Benefit the Most from 1 High Performance Core

Desktop

INSTALLED x86 SOFTWARE BASE

100% Serial

AMD
2004 Analyst Day